## RESEARCH DEPARTMENT

## BALLATER V.H.F. RELAY STATION: SUMMARY OF INSTALLATION

Technological Report No. RA-19/12 UDC **621.39**6.712 1968/51

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for Head of Research and Development

R.D.C. Thoday, M.I.E.R.E.

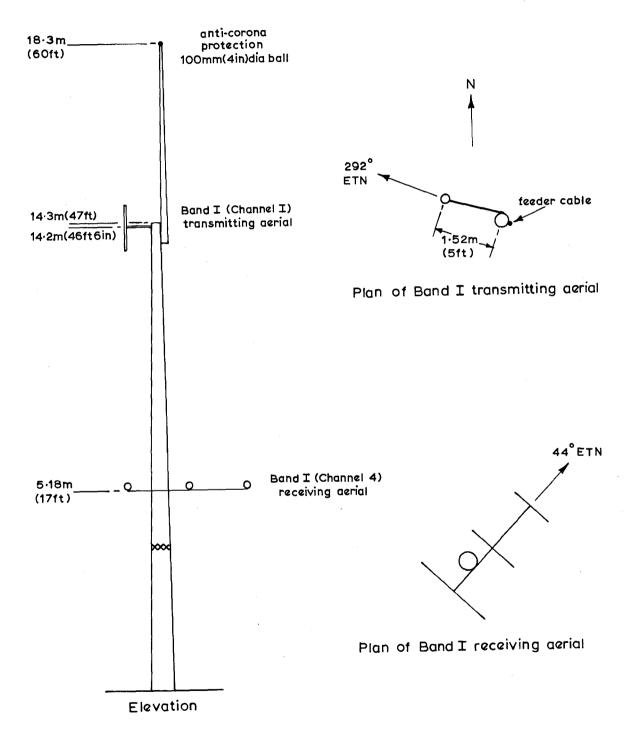


Fig. 1. General arrangement of aerials on wooden pole

NO. RA-19/12

October 1968/51

## V.H.F. RELAY STATIONS: SUMMARY OF INSTALLATION TELEVISION

NAME:

BALLATER

SERVICE TRANSMISSIONS COMMENCED:

30th December 1967

SITE DATA

LOCATION:

Approximately 0.8 km (0.5 mile)

East of Ballater

TRANSMITTING AERIAL

DESCRIPTION: Single vertical

 $\lambda/2$  dipole

GRID REFERENCE:

NO 379954

HEIGHT, A.O.D.:

404 m (1325 ft)

NUMBER OF TIERS: 1

MEAN HEIGHT:

14.2 m (46ft 6 in)

a.g.l.

SUPPORT STRUCTURE

TYPE:

Wooden Pole

**FEEDERS** 

OVERALL HEIGHT:

14.3 m (47 ft)

TRANSMITTING:

**UR 67** 

GENERAL ARRANGEMENT

FIGURE:

1

POLARIZATION:

RADIATION CHARACTERISTICS

Vertical

FREQUENCIES

MEAN E.R.P.:

BAND:

I

CHANNEL:

1

MAXIMUM E.R.P.:

6.3 W

5 W

VISION CARRIER OFFSET:

- 20.25 kHz

SOUND CARRIER OFFSET:

- 33.5 kHz

H.R.P.:

Fig. 2

TRANSMITTER

PROGRAMME SOURCE

POWER:

6.6 watts (Translator)

PARENT: Meldrum

Obtained by direct reception

NOTES:

1. Detailed information is given on the following drawings held by BBC Transmitter Planning and Installation Department:

PID 9799.2.1A4

General Arrangement of Aerials on 55 ft Wooden Pole

PID 8732.2.3J

Transmitting Dipole, Type HPN

PID 8732.2.4A2

Receiving Yagi, Type 353 P

Blank Drg.

